PENT COOPERATION TREATY

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NTERNATIONAL PRELIMINARY	EXAMINING AUTHORITY
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DANIEL HART
KNOBBE, MARTENS, OLSON & BEAR, LLP
14TH FLOOR, 2040 MAIN STREET

IRVINE, CA 92614

WRITTEN OPINION

		(PCT Rule 66)			
		Date of Mailing			
		(day/month/year)	02 NOV 2004		
Applicant's or agent's file reference		REPLY DUE	within 1 manthe/days from		
ORYXENG.009Q		within 1 months/days from the above date of mailing			
International application No.	International filing date	(day/month/year) Priority date (day/month/year)			
PCT/US03/18620	11 June 2003 (11.06.20	12 June 2002 (12.06.2002)			
International Patent Classification (IPC)	International Patent Classification (IPC) or both national classification and IPC				
IPC(7): C10L 1/18, 1/22 and US Cl.: 44	1/307, 308, 324, 325				
Applicant					
JORDAN, FREDERICK L.					
This written opinion is the fire	or (first stal) dessure has	shir Transport The	Colored Providence And Andrews		
			liminary Examining Authority.		
2. This opinion contains indicati	ons relating to the followi	ing items:			
I Basis of the opinion	on				
II Priority					
III Non-establishmen	t of opinion with regard to	novelty, inventive s	tep and industrial applicability		
IV Lack of unity of in		•	4,600		
		with record to novelt	y, inventive step or industrial applicability;		
citations and expla	mations supporting such s	tatement	y, inventive step of industrial applicability;		
VI Certain documents	cited				
VII Certain defects in	the international application	On	·		
VIII Certain observatio	ns on the international ap	plication			
3. The applicant is hereby invite	ed to reply to this opinion				
When? See the time li	When? See the time limit indicated above. The applicant may, before the expiration of that time limit, request				
	this Authority to grant an extension. See rule 66.2(d). How? By submitting a written reply accompanied where conserved by accompanied by accompanied where conserved by accompanied where conserved by accompanied				
For the form a	For the form and the language of the amendments, see Rules 66.8 and 66.9.				
Also For an additional opportunity to submit amendments, see Rule 66.4.					
For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4 bis. For an informal communication with the examiner, see Rule 66.6					
If no reply is filed, the international preliminary examination report will be established on the basis of this opinion.					
4. The final date by which the international preliminary examination report must be established according to Rule 69.2 is: 12 October 2004 (12.10.2004)					
Name and mailing address of the IPEA		12 October	1 2004 (12.10.2004)		
Mail Stop PCT, Attn: IPEA/US	705	Authorized officer			
Commissioner for Patents P.O. Box 1450		Authorized officer Cephia D. Toomer Ling Will			
Alexandria, Virginia 22313-1450		Telephone No. 571-272-1700			

Form PCT/IPEA/408 (cover sheet)(July 1998)



International application No.

PCT/US03/18620

I. Basis of the opinion	
1. With regard to the elements of the international application:*	
the international application as originally filed	
the description:	
pages 1-69, as originally filed	
pages NONE, filed with the demand	
pages NONE , filed with the letter of	
the claims:	
pages 70-72 as originally filed	
pages NONE, as amended (together with any statement) under Article 19 pages NONE, filed with the demand	
pages NONE , filed with the letter of	
the drawings:	•
pages 1-23, as originally filed	
pages NONE , filed with the demand	
pages NONE , filed with the letter of	
the sequence listing part of the description:	
pages NONE , as originally filed	
pages NONE , filed with the demand pages NONE , filed with the letter of	
 With regard to the language, all the elements marked above were available or furnished to this Aut language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language	
the language of a translation furnished for the numerous of interest in the language	which is:
the language of a translation furnished for the purposes of international search (under Rule23.) the language of publication of the international application (under Rule 48.3(b)).	(b)).
the language of the translation furnished for the purposes of international translation furnished for the purpose of the purpos	
the language of the translation furnished for the purposes of international preliminary examinat 55.2 and/or 55.3).	ion(under Rules
3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application opinion was drawn on the basis of the sequence listing:	n, the written
contained in the international application in printed form.	
filed together with the international application in computer readable form.	
furnished subsequently to this Authority in written form.	
furnished subsequently to this Authority in computer readable form.	
The statement that the subsequently furnished written sequence listing does not go beyond the	lisclosure in the
international application as the has been rurnished.	
The statement that the information recorded in computer readable form is identical to the writte has been furnished.	n sequence listing
The amendments have resulted in the cancellation of:	
the description, pages NONE	
the claims, Nos. NONE	
the drawings, sheets/fig NONE	
This opinion has been drawn as if (some of) the amendments had not been made, since they have been cor beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).	isidered to go
Replacement sheets which have been furnished to the receiving Office in response to an invitation and the last	1 000 005
his opinion as "originally filed."	4 are rejerred to in
DEAT	

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International application No. PCT/US03/18620

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. STATEMENT				
Novelty (N)	Claims	1-36	YES	
		NONE	NONO	
Importing Co., (TO)				
Inventive Step (IS)	Claims Claims	NONE	YES	
	Claulis	1-36	NO	
Industrial Applicability (IA)	Claims	1-36	YES	
	Claims	NONE	NO	
Claims 1-36 lack an inventive step under PCT Article 3 Jordan teaches a chlorophyll based fuel additive for red chlorophyll and a solvent or diluent such as toluene. The additive is suitable for use in diesel fuels and diesel eng 61-67; col. 3, lines 1-13; col. 4, lines 5-16; col. 5, lines Jordan teaches the limitations of the claims other than it seen in this difference because intended use is not an interest of the criteria set out in PCT Article 33(additive and the method of using the additive. Claims 1-36 meet the criteria set out in PCT Article 33(can be made or used in industry.	ucing pollut he additive a ines to redu s 25-37. hat the beta- ventive step 2), because	ant emissions comprising trans be may contain 2-ethylhexyl nitrate a ce pollutants. See abstract; col. it carotene is a cetane improver. He the prior art does not teach the fit	ta-carotene, jojoba oil, s a cetane improver. The fuel l, lines 66-67; col. 2, lines 1-28, owever, no unobviousness is tel additive, fuel containing the	
NEW CITATIONS				

WRITTEN OPINION

International application No. PCT/US03/18620

Suppl	lemental	Box
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(To be used when the space in any of the preceding boxes is not sufficient)

TIME LIMIT:

The time limit set for response to a Written Opinion may not be extended. 37 CFR 1.484(d). Any response received after the expiration of the time limit set in the Written Opinion will not be considered in preparing the International Preliminary Examination Report.

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